

ABSTRACT OF THE DISCLOSURE

A crankshaft coupling structure used in an engine and coupled between a piston and a crankshaft to enhance the output torque of the engine is disclosed to include connector pivoted to the crankshaft, the connector having a radially extended and smoothly arched sliding slot, and a coupling rod member, the coupling rod member having a top end pivoted to the piston and a bottom end pivotally mounted with a roller assembly coupled to the sliding slot of the connector and movable between two distal ends of the sliding slot upon reciprocating motion of the piston.